

Substitute Sequence Listing and the subsequent pages of the specification as appropriate. Please use the accompanying Substitute CRF instead of the CRF filed in connection with Application Serial No. 09/536,784 filed March 28, 2000, as previously requested in the Request Under 37 C.F.R. § 1.821(e) filed January 22, 2001 with the instant application.

Please replace the paragraph at page 10, lines ~~31-36~~¹⁵⁻³⁰, with the following rewritten paragraph:

AB 3. *Lipoprotein*: Studies of the cleavage sites of twenty-six bacterial lipoprotein precursors has allowed the definition of a consensus amino acid sequence for lipoprotein cleavage. Nearly three-fourths of the bacterial lipoprotein precursors examined contained the sequence L-(A,S)-(G,A)-C (SEQ ID NO:453) at positions -3 to +1, relative to the point of cleavage (Hayashi, S. and Wu, H. C., *J. Bioenerg. Biomembr.* **22**:451-471 (1990)).

Please replace the paragraph at page 10, line ~~37~~³¹ through page 11, line ~~10~~⁵, with the following rewritten paragraph:

AB 4. *LPXTG motif*: It has been experimentally determined that most anchored proteins found on the surface of gram-positive bacteria possess a highly conserved carboxy terminal sequence. More than fifty such proteins from organisms such as *S. pyogenes*, *S. mutans*, *E. faecalis*, *S. pneumoniae*, and others, have been identified based on their extracellular location and carboxy terminal amino acid sequence (Fischetti, V. A., *ASM News* **62**:405-410 (1996)). The conserved region consists of six charged amino acids at the extreme carboxy terminus coupled to 15-20 hydrophobic amino acids presumed to function as a transmembrane domain. Immediately adjacent to the transmembrane domain is a six amino acid sequence conserved in nearly all proteins examined. The amino acid sequence of this region is L-P-X-T-G-X (SEQ ID NO:454), where X is any amino acid.

At Page 1, line 2, immediately following the title, "*Streptococcus pneumoniae* Antigens and Vaccines", and immediately preceding the heading, "Field of the Invention", please insert the following paragraph:

A4 This application is a continuation of and claims benefit under 35 U.S.C. § 120 to U.S. Patent Application No: 08/961,083, filed October 30, 1997, which claims benefit under 35 U.S.C. § 119(e) of U.S. Provisional Application No: 60/029,960, filed October 31, 1996.